SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services
Division of Environmental Health, 11 SHS
(207) 287-5672 FAX (207) 287-4172

PROPERTY LOCATION

City, Town, or Plantation	LAMOINE
Street or Road	WALKER ROAD
Subdivision, Lot #	

OWNER/APPLICANT INFORMATION

Name (last, first, MI): CRAWFORD, CAMERON ■ Owner ☐ Applicant

Mailing Address of ■ Owner ☐ Applicant: 88 ACRES LANE, LAMOINE, ME. 04605

Daytime Tel. #: (207) 460-9573

>> CAUTION: LPI APPROVAL REQUIRED <<

Town/City LAMOINE Permit # 1749

Date Permit Issued 9/23/14 Fee $ 250 Double Fee Charged ( )

Local Plumbing Inspector Signature L.P.I. # 1040

☐ Owner ☒ Town ☐ State

The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the disposal system in accordance with the application and the Maine Subsurface Wastewater Disposal Rules.

Municipal Tax Map # 4 Lot # 12-A

OWNER OR APPLICANT STATEMENT

I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a permit.

Cameron Crawford — Signature of Owner or Applicant — 9/23/14 Date

CAUTION: INSPECTION REQUIRED

I have inspected the installation authorized above and found it to be in compliance with Subsurface Wastewater Disposal Rules Application. _____ (1st Date Approved)

Local Plumbing Inspector Signature _____ (2nd Date Approved)

PERMIT INFORMATION

TYPE OF APPLICATION

■ 1. First Time System
☐ 2. Replacement System
Type Replaced: _____
Year Installed: _____
☐ 3. Expanded System
☐ a. < 25% Expansion
☐ b. ≥ 25% Expansion
☐ 4. Experimental System
☐ 5. Seasonal Conversion

SIZE OF PROPERTY

_____ ☐ sq. ft.
3½ ■ acres

SHORELAND ZONING

☐ Yes ■ No

THIS APPLICATION REQUIRES

■ 1. No Rule Variance
☐ 2. First Time System Variance
☐ a. Local Plumbing Inspector Approval
☐ b. State & Local Plumbing Inspector Approval
☐ 3. Replacement System Variance
☐ a. Local Plumbing Inspector Approval
☐ b. State & Local Plumbing Inspector Approval
☐ 4. Minimum Lot Size Variance
☐ 5. Seasonal Conversion Permit

DISPOSAL SYSTEM TO SERVE

■ 1. Single Family Dwelling Unit, No. of Bedrooms: 2
☐ 2. Multiple Family Dwelling , No. of Units: _____
■ 3. Other: (SPECIFY) GARAGE BATHROOM FOR OWNER'S USE.

Current Use: ☐ Seasonal ☐ Year Round ■ Undeveloped

DISPOSAL SYSTEM COMPONENT(S)

■ 1. Complete Non-engineered System
☐ 2. Primitive System (graywater & alt. toilet)
☐ 3. Alternative Toilet, specify: _____
☐ 4. Non-engineered Treatment Tank (only)
☐ 5. Holding Tank, _____ gallons
☐ 6. Non-engineered Disposal Field (only)
☐ 7. Separated Laundry System
☐ 8. Complete Engineered System(2000 gpd or more)
☐ 9. Engineered Treatment Tank (only)
☐ 10. Engineered Disposal Field (only)
☐ 11. Pre-treatment, specify: _____
☐ 12. Miscellaneous components

TYPE OF WATER SUPPLY

TO BE
■ 1. Drilled Well ☐ 2. Dug Well ☐ 3. Private
☐ 4. Public ☐ 5. Other: _____

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

■ 1. Concrete
■ a. Regular
☐ b. Low Profile
☐ 2. Plastic
☐ 3. Other: _____
CAPACITY 1000 gallons

SOIL DATA & DESIGN CLASS

PROFILE CONDITION
5 / C
at Observation Hole # 1
Depth 36"
OF MOST LIMITING SOIL FACTOR

DISPOSAL FIELD TYPE & SIZE

■ 1. Stone Bed ☐ 2. Stone Trench
☐ 3. Proprietary Device _____
☐ a. Cluster Array ☐ c. Linear
☐ b. Regular load ☐ d. H-20 load
☐ 4. Other: _____
SIZE 600 ■ sq. ft. ☐ lin. ft.

DISPOSAL FIELD SIZING

■ 1. Medium – 2.6 sq. ft./gpd
☐ 2. Medium-Large – 3.3 sq. ft./gpd
☐ 3. Large – 4.1 sq. ft./gpd
☐ 4. Extra Large – 5.0 sq. ft./gpd

GARBAGE DISPOSAL UNIT

■ 1. No ☐ 2. Yes ☐ 3. Maybe
If Yes or Maybe, specify one below:
☐ a. Multi-compartment Tank
☐ b. _____ Tanks in Series
☐ c. Increase in Tank Capacity
☐ d. Filter on Tank Outlet

EFFLUENT/EJECTOR PUMP

■ 1. Not Required
☐ 2. May be Required
☐ 3. Required
Specify only for engineered systems
DOSE: _____ gallons

DESIGN FLOW

180 gallons per day
BASED ON
■ 1. Table 4A (dwelling unit(s)
☐ 2. Table 4C (other facilities)
SHOW CALCULATIONS for other facilities

☐ 3. Section 4G (meter readings)
ATTACH WATER METER DATA

LATTITUDE AND LONGITUDE

at Center of Disposal Area
Lat. 44° d 28' m 42.5" s N
Lon. 68° d 19' m 00.2" s W
If g.p.s., state margin of error 30'+

SITE EVALUATOR STATEMENT

I certify that on 9-12-14 (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).

Site Evaluator Signature	SE#	Date
	319	9-17-14

Site Evaluator Name Printed	Telephone Number	E-mail Address
WILLIAM A. LaBELLE, JR.	(207) 537 - 5900	labelleseptic@rivah.net

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.

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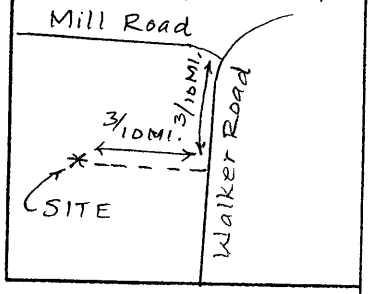
SITE PLAN

Scale 1" = 30 Ft.

(SEE ATTACHED SITE PLAN)

SITE LOCATION PLAN

(Attach map from Maine Atlas for First Time System Variance)



SOIL PROFILE DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above or on pg. 2A)

Observation Hole #1 ■ Test Pit ☐ Boring

3 " Depth of organic horizon above mineral soil

Texture	Consistency	Color	Mottling
LOAMY GRAVELLY SAND TO MEDIUM COARSE SAND	FRIABLE TO LOOSE	GRAY (10YR 6/1) DARK YELLOWISH BROWN (10YR 4/6)	N.E.

DEPTH BELOW MINERAL SOIL SURFACE (inches): 10, 20, 30, 40, 50

Soil Profile	Classification Condition	Slope	Limiting Factor	
5	C	0 %	36 " Depth	☐ Ground Water ☐ Restrictive Layer ☐ Bedrock ■ Pit Depth

Observation Hole #2 ■ Test Pit ☐ Boring

2 " Depth of organic horizon above mineral soil

Texture	Consistency	Color	Mottling
LOAMY GRAVELLY SAND	FRIABLE	GRAY (10YR 6/1) DARK YELLOWISH BROWN (10YR 4/6)	N.E.
FINE TO MEDIUM SAND	LOOSE	OLIVE BROWN (2.5Y 4/4)	

DEPTH BELOW MINERAL SOIL SURFACE (inches): 10, 20, 30, 40, 50

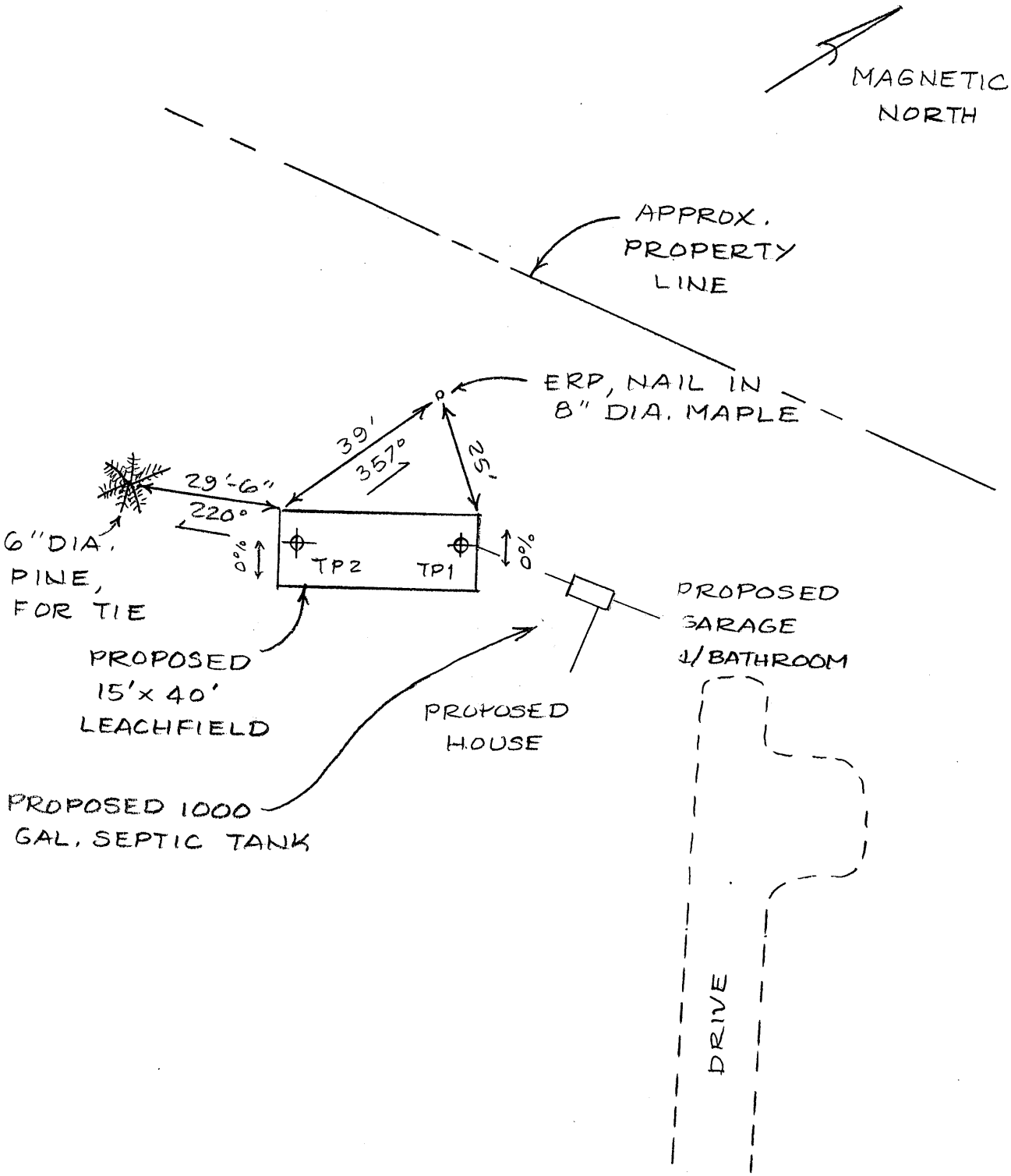
Soil Profile	Classification Condition	Slope	Limiting Factor	
5	C	0 %	36 " Depth	☐ Ground Water ☐ Restrictive Layer ☐ Bedrock ■ Pit Depth

Site Evaluator's Signature | 319 S. E. # | 9-17-14 Date

Town, City, Plantation	Street, Road, Subdivision	Owner or Applicant Name
LAMOINE	WALKER ROAD	CAMERON CRAWFORD

SITE PLAN:

SCALE: 1" = 30 FT.



Site Evaluator's Signature

319
S.E. #

9-17-14
Date

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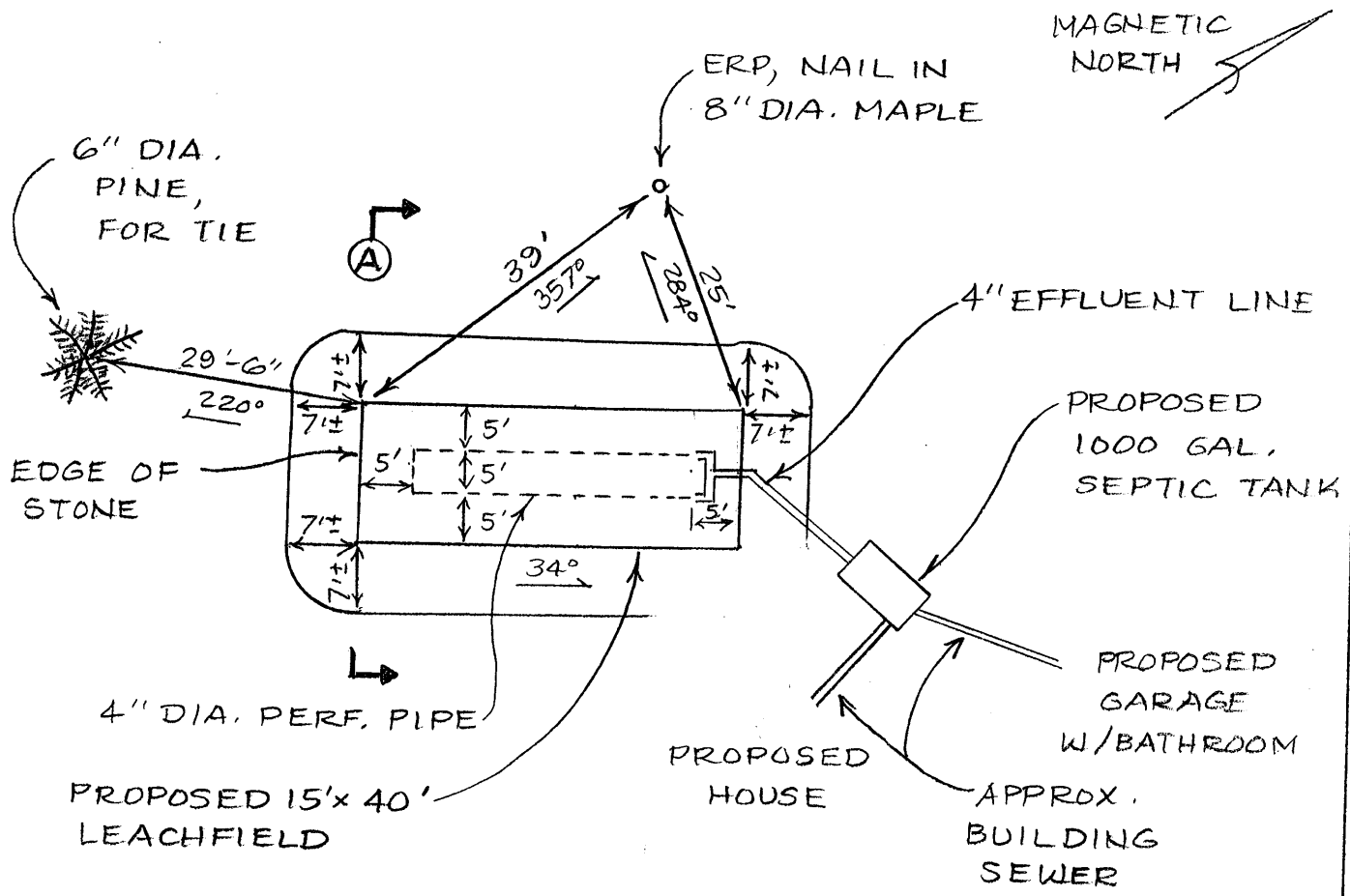
SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE: 1" = 20 FT.



FILL REQUIREMENTS		CONSTRUCTION ELEVATIONS	SYSTEM:	PRIVY:	ELEVATION REFERENCE POINT
Depth of Backfill (Upslope)	11"	Finished Grade Elevation	CROWN-34"		Location & Description NAIL 38" ABOVE GROUND IN 8" DIA. MAPLE.
Depth of Backfill (Downslope)	11"	Top of Distribution Pipe or Proprietary Device	-49"	N/A	
Depths @ cross-section shown below or on X-sec. detail.		Bottom of Disposal Field	-60"		Reference Elevation is: 0"

DISPOSAL AREA CROSS SECTION (SEE ATTACHED CROSS SECTION)

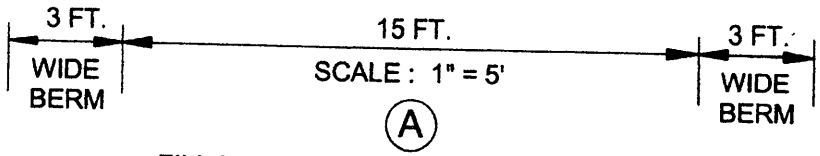
NOTES:

1. Tank(s) must be 8' minimum from building.
2. Grade surrounding area to divert surface water away from system.
3. Well to be 51' minimum from septic tank(s) and 100' minimum from disposal field.
4. All work done adjacent to wetlands and water bodies must be done in compliance with section 11-M of the Subsurface Wastewater Disposal Rules. Erosion and sediment control measures must be in accordance with the March 2003 edition of the Maine DEP Handbook "Maine Erosion and Sediment Control BMPS" (DEPW0588).
5. Install septic tank(s) risers 18" in diameter "minimum" to within 6" of finished grade on inlet, cleanout and outlet covers (recommend extending risers to finish grade).
6. Full basement below grade foundation, frost wall or columns must be 20' minimum from edge of disposal field and slab on grade must be 15' minimum from edge of disposal field.

Site Evaluator's Signature	S.E. #	Date
	319	9-17-14

DISPOSAL BED CROSS SECTION

NOTE: GRADE UPSLOPE AND DOWNSLOPE TO DIVERT SURFACE WATER AWAY FROM SYSTEM.



(A)

FILL MATERIAL SHALL BE 8"-12" THICK OVER STONE AND SHALL BE GRAVELLY COARSE SAND TO THE STANDARDS IN SEC. 11- E IN THE SUBSURFACE RULES.

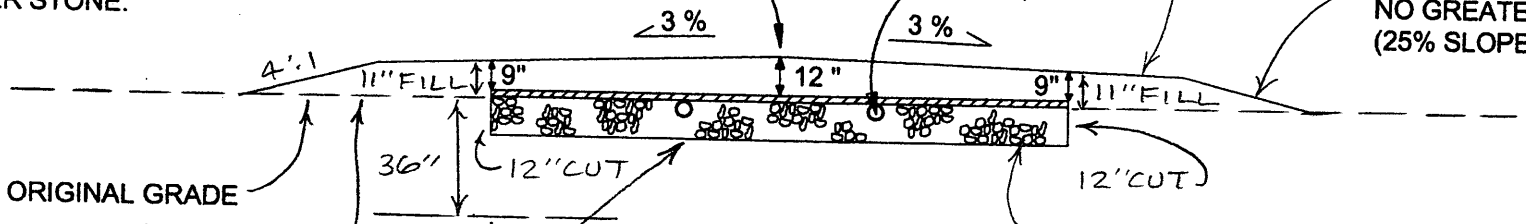
TOP 4" OF FILL TO BE A GOOD LOAM SOIL MIX TO ESTABLISH A GOOD VEGETATIVE COVER; SEED AND AND MULCH TO PREVENT EROSION, SEC.11-G.

CROWN FINISH GRADE FROM CENTER AT 3 % SLOPE

2'' COMPRESSED HAY (OR FILTER FABRIC) SEC. 11- F, PLACED OVER STONE.

4'' PERF. PIPE, TYPICAL

FILL EXTENSIONS NO GREATER THAN 4:1, (25% SLOPE).



ORIGINAL GRADE

REMOVE VEGETATION AND SCARIFY ORIGINAL SOIL UNDER ENTIRE FILL AREA, SEC. 11-B.

LIMITING FACTOR

BOTTOM OF STONE MUST BE LEVEL WITH MAXIMUM GRADE TOLERANCE OF 2" PER 100'.

12" CLEAN STONE, (1 1/2" DIA.), UNIFORM SIZE.

THOROUGHLY MIX, DISK OR ROTO-TILL CLEAN, COARSE, SHARP SAND INTO TOP 4 INCHES OF ORIGINAL SOIL TO CREATE A TRANSITION ZONE, SEC. 11- B.

ELEVATIONS:

ELEV. REF. PT. (ERP):	0''
FINISHED GRADE:	-34'' CROWN
TOP OF DISTRIBUTION PIPE:	-49''
BOTTOM OF STONE:	-60''

OWNER: CAMERON CRAWFORD

LOCATION: LAMOINE

NOTE:

SYSTEM MUST BE INSTALLED ACCORDING TO THE RULES AND PRACTICES SET FORTH IN THE MOST CURRENT VERSION OF THE STATE OF MAINE SUBSURFACE WASTEWATER DISPOSAL RULES. INSTALLATION CONTRATOR MUST BE FAMILIAR WITH SAID RULES AND CONSTRUCT SYSTEM IN FULL COMPLIANCE WITH SECTION 11 OF SAID RULES.

William G LaB

WILLIAM A. LaBELLE, JR.

319

S.E.#

9-17-14

DATE